

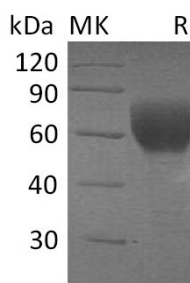
Product Name: Recombinant Human TGFBR2 (C-Fc)
Catalog #: PHH1625



Summary

| | |
|---------------------------------|--|
| Name | TGFBR2/TGF-beta RII/TGF-beta receptor type-2/Transforming Growth Factor- β Receptor Type II |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | <1 EU/ μ g as determined by LAL test. |
| Construction | Recombinant Human Transforming Growth Factor-beta Receptor Type II is produced by our Mammalian expression system and the target gene encoding Thr23-Asp159 is expressed with a human IgG1 Fc tag at the C-terminus. |
| Accession # | P37173 |
| Host | Human Cells |
| Species | Human |
| Predicted Molecular Mass | 42.6 KDa |
| Formulation | Lyophilized from a 0.2 μ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| Stability&Storage | Lyophilized protein should be stored at $\leq -20^{\circ}\text{C}$, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8 $^{\circ}\text{C}$ for 2-7 days. Aliquots of reconstituted samples are stable at $\leq -20^{\circ}\text{C}$ for 3 months. |
| Reconstitution | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μ g/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

SDS-PAGE image



Background

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Alternative Names

TGF-beta receptor type-2; TGF-beta type II receptor; TGFBR2; Transforming growth factor-beta receptor type II

Background

TGFBR2 is a single-pass type I membrane protein and contains one protein kinase domain. TGFBR2 exists as a heterodimeric complex with another receptor protein and binds TGF-beta. Signals triggered through the TGF-beta receptor complex prompt various responses by the cell. One such response is to inhibit cell growth and division. Based on this action, the TGF-beta receptor type 2 is sometimes called a tumor suppressor. Defects in TGFBR2 have been associated with Marfan syndrome, Loeys-Deitz aortic aneurysm syndrome, Osler-Weber-Rendu syndrome and the development of various types of tumors.

Note

For Research Use Only , Not for Diagnostic Use.